
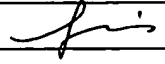


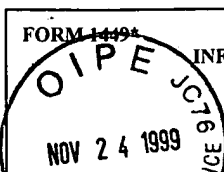
FORM 1449a  INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 600.346USWO	Application Number: 09/308,830
	Applicant: SCHLIEVERT ET AL.	
	Filing Date: 08/04/1999	Group Art Unit: 1614

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LL	5,336,598	08/09/1994	Kotzin et al.			
LL	5,298,396	03/29/1994	Kotzin et al.			

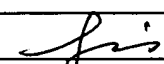
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
LL	WO 93/14634	08/05/1993	PCT				
LL	WO. A, 85 00832	02/28/1985	PCT				
LL	WO 96/40930 A	12/19/1996	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
LL		Acharya, K. et al., "Structural Basis of Superantigen Action Inferred from Crystal Structure of Toxic-Shock Syndrome Toxin-1", Nature 367:94-97 (1994).
		Aiyar, A. et al., "Modification of the Megaprimer Method of PCR Mutagenesis: Improved Amplification of the Final Product", BioTechniques Vol. 14, No. 3 (1993) pages 366-369.
		Altschyl, S. et al., "Optimal Sequence Alignment Using Affine Gap Costs", Bulletin of Math. Biol. 48:603-616 (1986).
		Anthony-Cahill, S. et al., "Site-specific mutagenesis with unnatural amino acids", Trends in Biochem. Sci. 14:400-403 (1989).
		Barsumian et al., "Nonspecific and Specific Immunological Mitogenicity by Group A Streptococcal Pyrogenic Exotoxins", Infection and Immunity 22:681-688 (1978).
		Belani, K. et al., "Association of exotoxin-producing Group A streptococci and severe disease in children, Pediatr. Infect. Dis. J. 10:351-354 (1991).
		Betley et al., "Staphylococcal Enterotoxins, Toxic Shock Syndrome Toxin and Streptococcal Pyrogenic Exotoxins: A Comparative Study of their Molecular Biology", Chem. Immun. 55:1-35 (1992).
		Birkhaug et al., "Studies in Scarlet Fever II: Studies on the Use of Convalescent Scarlet Fever Serum in Dochez Scarletino Antistreptococcal serum for the treatment of scarlet fever", Bull. John Hopkins Hosp. 36:134-171 (1925).

EXAMINER 	DATE CONSIDERED 11/9/00
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

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LL	Bohach et al., "Staphylococcal and Streptococcal Pyrogenic Toxins Involved in Toxic Shock Syndrome and Related Illnesses", Crit. Rev. Microbiol. 17:251-272 (1989).
	Bowie, J. et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", Science 247:1306-1310 (March 16, 1990).
	Braunstein, N. et al., "Sequences in Both Class II Major Histocompatibility Complex α and β Chains Contribute to the Binding of the Superantigen Toxic Shock Syndrome Toxin 1", J. Exper. Med. 175:1301-1305 (April 1, 1992).
	Dohlsten et al., "Superantigen Induced Cytokines Suppress Growth of Human Colon Carcinoma Cells", Int. J. Cancer 54:482-488 (1993).
	Fast, D. et al., "Toxic Shock Syndrome-Associated Staphylococcal and Streptococcal Pyrogenic Toxins are Potent Inducers of Tumor Necrosis Factor Production", Infection and Immunity 57:291-295 (Jan. 1989).
	Goshorn, S. et al., "Cloning and characterization of the gene, speC, for pyrogenic exotoxin type C from Streptococcus pyogenes", Mol. Gen. Genet. 212:66-70 (1988).
	Goshorn, S. et al., "Nucleotide Sequence of Streptococcal Pyrogenic Exotoxin Type C", Infection and Immunity 56:2518-2520 (1988).
	Griggs, N. et al., "Mapping of Multiple Binding Domains of the Superantigen Staphylococcal Enterotoxin A for HLA", J. Immunology 148:2516-2521 (April 15, 1992).
	Hartwig, U. et al., 1993. "Mutations affecting MHC class II binding of the superantigen streptococcal erythrogenic toxin A." International Immunology 5(8):869-875.
	Hattori, M. et al., "Structure of the rat α_2 -macroglobulin-coding gene", Gene 77:333-340 (1989).
	Hauser, A. et al., "Molecular Analysis of Pyrogenic Exotoxins from Streptococcus pyogenes Isolates Associated with Toxic Shock-Like Syndrome", J. Clin. Microbiol. 29:1562-1567 (August 1991).
	Hedlund et al., "Superantigen-Based Tumor Therapy in Vivo Activation of Cytotoxic T Cells", Cancer Immun. Immunother. 36:89-93 (1993).
	Hovde C.J. et al., "Investigation of the role of the disulphide bond in the activity and structure of staphylococcal enterotoxin C1", Molecular Microbiology, 13(5):897-909 (1994).
	Hsiao, Ku-chuan et al., "A Fast and simple procedure for sequencing double stranded DNA with Sequenase", Nucleic Acids Research 19:2787 (1991).
	Ihle et al., "Antibody Targeted Super Antigens Induce Lysis of Major Histocompatibility Complex Class II Negative T Cell Leukemia Lines", Cancer Res. 55:623-628 (1995).
	Iwasaki et al., "Cloning, Characterization and Overexpression of Streptococcus Pyogenes Gene Encoding a New Type of Mitogenic Factor", FEBS Lett. 331:187-192 (1993).
	Jardetzky, T. et al., "Three-dimensional structure of a human class II histocompatibility molecule complexed with superantigen", Nature 368:711-718 (April 21, 1994).
	Jett et al., "Identification of Staphylococcal Enterotoxin B Sequences Important for Induction of Lymphocyte Proliferation Using Synthetic Peptide Fragments of the Toxin", Infection and Immunity 62:3408-3415 (1994).
	Johnson, L. et al., "Group A streptococcal phage T12 carries the structural gene for pyrogenic exotoxin type A", Mol. Gen. Genet. 194:52-56 (1994).
	Johnson, L.P. et al., "Streptococcal pyrogenic exotoxin type A (scarlet fever toxin) is related to Staphylococcus aureus enterotoxin B", Mol Gen Genet, 203:354-356 (May 1986).
	Kappler, J. et al., "Mutations Defining Functional Regions of the Superantigen Staphylococcal Enterotoxin B.", J. Exp. Med. 175:387-396 (February 1992).
↓	Kline, J. et al., "Analysis of the Superantigenic Activity of Mutant and Allelic Forms of Streptococcal Pyrogenic Exotoxin A", Infection and Immunity 64(3):861-869 (Mar 1996).

EXAMINER 	DATE CONSIDERED 1/9/00
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LL	Lee, P. et al., "Effects of Staphylococcal Toxic Shock Syndrome Toxin I on Aortic Endothelial Cells", J. Infect. Dis. 164:711-9 (1991).
	Lee, P. et al., "Fluid Replacement Protection of Rabbits Challenged Subcutaneously with Toxic Shock Syndrome Toxins", Infection and Immunity 59(3):879-884 (Mar 1991).
	Marrack, P. et al., "The Staphylococcal Enterotoxins and Their Relatives", Science 248:705-711 (May 1990).
	Martin, D., et al., "Molecular Epidemiology of Group A Streptococcus M Type 1 Infections, J. Infect. Dis. 167:1112-7 (1993).
	Mollick, J. et al., "Localization of a Site on Bacterial Superantigens That Determines T Cell Receptor β Chain Specificity", J. Exp. Med. 177:283-293 (February 1993).
	Mollick, J. et al., "Novel Superantigen Isolated from Pathogenic Strains of Streptococcus pyogenes with Aminoterminal Homology to Staphylococcal Enterotoxins B and C", J. Clin. Invest. 92:710-719 (August 1993).
	Murray, D. et al., "Immunobiologic and Biochemical Properties of Mutants of Toxic Shock Syndrome Toxin-1", J. Immunol (US) (1994) 152(1):87-95.
	Musser et al., "Streptococcus Pyogenes Causing Toxic Shock-like Syndrome and Other Invasive Diseases: Colonal Diversity and Pyrogenic Exotoxin Expression", Proc. Nat'l. Acad. Sci. (USA) 88:2668-2672 (1991).
	Musser, J. et al., "Infect Immun", Mar. 1995, 63(3) P994-1003
	Norby-Teglund, A. et al., "Detection and Nucleotide Sequence Analysis of the <i>speC</i> Gene in Swedish Clinical Group A Streptococcal Isolates", Journal of Clinical Microbiology, 32(3):705-709 (Mar 1994).
	Norby-Teglund, A. et al., "Relation between Low Capacity of Human Sera to Inhibit Streptococcal Mitogens and Serious Manifestation of Disease", J. Infect. Dis. 170:585-91 (1994).
	Perrin, S. et al., "Site-specific mutagenesis using asymmetric polymerase chain reaction and a single mutant primer", Nucleic Acids Research 18:7433-7438 (1990).
	Prasad, G. et al., "Structure of Toxic Shock Syndrome Toxin I", Biochemistry Vol. 32, No. 50 (December 21, 1993) 50:13761-13766.
	Rennell, D. et al., "Systematic Mutation of Bacteriophage T4 Lysozyme", J. Mol. Biol. 222:67-87 (1991).
	Revie, D., et al., "Kinetic analysis for optimization of DNA ligation reactions", Nucleic Acids Research 16:10301-10321 (1988).
	Roggiani, A. et al., "Localization of biological activities of Streptococcal Pyrogenic Exotoxin", poster presentation at the ASM 94 th General Meeting, Las Vegas, Nevada (1994).
	Roggiani, M. et al., "Analysis of Toxicity of Streptococcal Pyrogenic Exotoxin A Mutants", Infection and Immunity, 65(7):2868-2875 (July 1997).
	Schlievert et al., "Group B Streptococcal Toxic Shock-Like Syndrome: Report of a Case and Purification of Associated Pyrogenic Toxin", Clin. Infect. Dis. 17:26-31 (1993).
	Schlievert, "Role of Superantigens in Human Disease", J. Infect. Dis. 167:997-1002 (1993).
	Schlievert, P. et al., "Infect Immun", June 1989, 57 (6) P1865-7
	Scott et al., "Characterization of Staphylococcus aureus Isolates from Patients with Toxic Shock Syndrome, Using Polyethylene Infection Chambers in Rabbits, Infection and Immunity 39:383-387 (January 1983).
	Swaminathan, "Crystal Structure of Staphylococcal Enterotoxin B as Superantigen", Nature 359:801-806 (1992).
	Tomai, M. et al., "Distinct T-Cell Receptor V β Gene Usage by Human T. Lymphocytes Stimulated with the Streptococcal Pyrogenic Exotoxins and pep M5 Protein", Infection and Immunity 60:701-705 (Feb. 1992).
↓	Wallace, C., "Understanding cytochrome c function: engineering protein structure by semisynthesis, FASEB Journal 7:505-515 (1993).

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Sheet 4 of 4

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LL	Weeks et al., "Nucleotide Sequence of the Type A Streptococcal Exotoxin (Erythrogenic Toxin) Gene from Streptococcus pyogenes Bacteriophage T12", Infection and Immunology, Apr. 1986, 52:144-150, pp. 144-150.

EXAMINER <i>fr</i>	DATE CONSIDERED 1/9/00
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